EOS Investigator Working Group (IWG) Meeting

Adam's Mark Hotel, San Antonio, TX
October 30 – November 1, 2001

Morning Plenary Session, Tuesday, October 30, 8:30 am – 12:00 pm
Earth Science Enterprise/EOS Status
Jon Ranson, Terra Project Scientist, Chair

Terra Instrument Performance and Data Status
Jon Ranson, NASA Goddard Space Flight Center — 8:30 am

Upcoming EOS Mission Status (15 minutes each): — 9:00 am
- Aqua: Claire Parkinson, NASA Goddard Space Flight Center
- ICESat: Jay Zwally, NASA Goddard Space Flight Center
- SAGE-III: William Chu, NASA Langley Research Center
- SORCE: Gary Rottman, University of Colorado

Break — 10:00 am

Upcoming EOS Mission Status (continued) — 10:30 am
- Jason-1: Lee-Lueng Fu, Jet Propulsion Laboratory
- NPOESS/NPP: Robert Murphy, NASA Goddard Space Flight Center
- Landsat Data Continuity Mission: Jim Irons, NASA Goddard Space Flight Center
- Aura and Constellation Flying: Mark Schoeberl, NASA Goddard Space Flight Center

Working Lunch, Tuesday, October 30, 12:00 – 2:00 pm
- Science Working Group for the AM Platform (SWAMP)
- Aqua Science Working Group
- NASA Earth Science News Team

Afternoon Plenary Session, Tuesday, October 30, 2:00 – 5:00 pm
Variability in the Earth System
Claire Parkinson, Aqua Project Scientist, Chair

Interpreting Satellite Observations of Tropospheric Chemistry: Ozone from TOMS, NO_2 and Formaldehyde from GOME
Daniel Jacob, Harvard University — 2:00 pm

Global Distribution and Inverse Modeling of Surface Sources as seen by MOPITT
Boris Khattatov, National Center for Atmospheric Research — 2:30 pm

Decadal Variability in Tropical Radiative Fluxes – From Nimbus 7 to Terra
Bruce Wielicki, NASA Langley Research Center — 3:00 pm

Break — 3:30 pm

Afternoon Plenary Session, Tuesday, October 30, 4:00 - 5:30 pm
Variability in the Earth System (continued)

Earth System Dynamics: Momentum and Mass Variability in the Earth System
David Salstein, Atmospheric and Environmental Research, Inc.
Byron Tapley, University of Texas at Austin — 4:00 pm

Long-term Changes of the Surface Topography of the North Pacific: the Relative Roles of ENSO Versus Wind Forcing
Lee-Lueng Fu, Jet Propulsion Laboratory,
Bo Qiu, University of Hawaii — 4:30 pm

Regional Atmospheric Profiling Center for Discovery (RAPCD): Validating EOS Satellite Ozone Measurements
Michael Newchurch, University of Alabama Huntsville — 5:00 pm

Adjourn — 5:30 pm

Morning Plenary Session, Wednesday, October 31, 8:00 – 10:30 am
Earth Science Enterprise/EOS Status
Michael King, EOS Senior Project Scientist, Chair

Earth Science Enterprise Status and Future
Ghassem Asrar, NASA Headquarters — 8:00 am

Earth Science Enterprise Strategic Planning
Jack Kaye, NASA Headquarters — 8:30 am

EOSDIS Data Processing and Data System Status
Dolly Perkins and Vanessa Griffin, NASA Goddard Space Flight Center — 9:00 am

MODIS Data Processing Status
Vince Salomonson, NASA Goddard Space Flight Center — 9:30 am

Break — 10:00 am

Morning Plenary Session, Wednesday, October 31, 10:30 am - 12:00 noon
Radiative Forcing
Bruce Wielicki, NASA Langley Research Center, Chair

Land-Atmosphere Feedbacks in Southern Africa
Hank Shugart, University of Virginia — 10:30 am

Contradictions to the Iris Hypothesis
Robert Wood and Dennis Hartmann, University of Washington — 11:00 am

Radiative Forcings of Tropical Clouds as Related to the Iris Hypothesis
Lin Chambers, NASA Langley Research Center — 11:30 am

Lunch — 12:00 noon

Afternoon Plenary Session, Wednesday, October 31, 1:30 pm – 3:00 pm
Radiative Forcing (continued)

Changes in Tropical Cloudiness during the 1997/98 El Niño
Robert Cess, State University of New York at Stony Brook 1:30 pm

The Location and Radiative Impact of Thin Cirrus Clouds
Andrew Dessler, University of Maryland 2:00 pm

Aerosol Forcing, Climate and the Hydrological Cycle
V. Ramanathan, Scripps Institution of Oceanography 2:30 pm

Break 3:00 pm

Afternoon Plenary Session, Wednesday, October 31, 3:30 pm – 5:30 pm
Responses and Field Campaigns
Michael King, EOS Senior Project Scientist, Chair

Combining Suborbital and Satellite Measurements to Study Aerosol and Gas Radiative-climatic effects: Results from Recent Field Campaigns
Philip Russell, NASA Ames Research Center 3:30 pm

Fire Locating and Modeling of Burning Emissions (FLAMBE)
Jeffrey Reid, SPAWAR Systems Center San Diego 4:00 pm

An Overview of the Fourth Convection And Moisture Experiment (CAMEX-4)
Robbie Hood, NASA Marshall Space Flight Center 4:30 pm

Recent Acceleration in Continental Vegetation Productivity Driven by Enhanced Water Balance
Steve Running, University of Montana 5:00 pm

Adjourn 5:30 pm

Evening Social Event: Dinner at the Presidio Restaurant (must sign up)

Morning Plenary Session, Thursday, November 1, 8:00 am - 12:00 pm
Numerical Weather and Climate Prediction
Robert Atlas, NASA Goddard Space Flight Center, Chair

The NASA Seasonal-to-Interannual Prediction Project Michele Rienecker, NASA Goddard Space Flight Center	8:00 am
Atmospheric Modeling and Data Assimilation at the DAO Robert Atlas, NASA Goddard Space Flight Center	8:30 am
The Joint Center for Data Richard Rood, NASA Goddard Space Flight Center	9:00 am
Metropolitan East Coast Regional Assessment for USGCRP Cynthia Rosenzweig, NASA Goddard Institute for Space Studies	9:30 am
Break	10:00 am
AIRS/AMSR/HSB contributions to Improved Numerical Weather Prediction Mous Chahine, Jet Propulsion Laboratory	10:30 am
Global Climate Simulation at 5 km Resolution Steven Ghan, Pacific Northwest National Laboratory	11:00 am
Geodesic Grids for Modeling and Data Analysis Todd D. Ringler and David A. Randall, Colorado State University	11:30 am
Adjourn	12:00 pm

Special notes:

The EOS Science Working Group on Data will hold a half-day Workshop on Thursday afternoon in the Adam's Mark Hotel. The objectives of the Workshop are to provide an opportunity for the Terra Instrument Teams, the ESDIS Project, DAAC Managers and DAAC User Working Group Chairs to discuss the current status of and experience with Terra data distribution, identifying current obstacles, challenges and successes.

There are no dedicated poster sessions during this IWG meeting. However, poster presentations will be displayed for the duration of the meeting.

Poster Presentations:

Tropospheric Emission Spectrometer (AURA/TES): Algorithm & Science Status
Reinhard Beer, Jet Propulsion Laboratory

Regional Scale Meteorological Analysis and Prediction Using GPS Occultation and EOS Data
David Bromwich, Heling Wei, Bill Kuo, Tae-Kwon Wee, C.K. Shum, and Shengjie Ge

A Geophysical Approach To Study The Role Of Ice Sheet Mass Balance in Global Sea Level Change
C.K. Shum, Andy Trupin and Chung-yen Kuo

MODIS Snow Products
Dorothy Hall and Vince Salomonson, NASA Goddard Space Flight Center

Remote Sensing of Cloud, Aerosol, and Water Vapor Properties from MODIS
S. Platnick, S. Ahmad, M. D. King, W. P. Menzel, S. Ackerman, Y. Kaufman, D. Tanre, L. Remer, and B.-C. Gao

Cloud Observations during SAFARI 2000
S. Platnick, M. D. King, G. T. Arnold, M. Gray, E. Moody, S. Osborne, J. Haywood, P. Francis, P. V. Hobbs, S. Piketh, R. Bruintjes, and R. Swap

Airborne Spectral Measurements of Surface-Atmosphere Anisotropy during SAFARI 2000
C. K. Gatebe, M. D. King, G. T. Arnold, and J. Y. Li

Modeling controls of phytoplankton production in the southwest Pacific sector of the Southern Ocean - modern and glacial scenarios
Katja Fennel, Mark R. Abbott, Yvette H. Spitz, James G. Richman, David M. Nelson, Oregon State University

Recent data product examples from the Multi-angle Imaging SpectroRadiometer
David J. Diner, Jet Propulsion Laboratory

Bringing NASA-funded Earth Science Research to the Media and the Public: Major Results from Calendar Year 2001.
Rob Gutro and Krishna Ramanujan, NASA Goddard Space Flight Center

NASA's Earth Observatory
David Herring, NASA Goddard Space Flight Center

Science Data Services: Subsetting, Mining and ESML
Sara J. Graves, Helen Conover, Rahul Ramachandran, Matt Smith